CLAIMS LISTING

1. (Currently amended) A method for protecting a material from ant infestation, comprising treating the material with an effective amount of a compound selected from the group consisting of ~~nootkatone,~~ α-cedrene, zizanol, and bicyclovetivenol, wherein the treated material repels or kills ants substantially more than does an otherwise identical material that has not been treated with the compound.

2. (Original) A method as in Claim 1, wherein the ants are fire ants.

3. (Original) A method as in Claim 1, wherein the treated material repels ants.

4. (Original) A method as in Claim 1, wherein the treated material kills ants.

5. (Original) A method as in Claim 1, wherein the material is selected from the group consisting of soil, synthetic polymers, diatomaceous earth, sand, and cellulose-containing materials.

6. (Canceled)

7. (Original) A method as in Claim 1, wherein the compound is α-cedrene.

8. (Original) A method as in Claim 1, wherein the compound is zizanol.

9. (Original) A method as in Claim 1, wherein the compound is bicyclovetivenol.

10. (Original) A method as in Claim 1, additionally comprising treating the material with one or more additional, different compounds selected from the group consisting of nootkatone, α-cedrene, zizanol, and bicyclovetivenol.

11.-74. Canceled.

75. (New) A method for protecting a material from ant infestation, comprising treating the material with an effective amount of nootkatone, wherein the treated material repels ants substantially more than does an otherwise identical material that has not been treated with nootkatone.

76. (New) A method as in Claim 75, wherein the ants are fire ants.

77. (New) A method as in Claim 75, wherein the material is selected from the group consisting of soil, synthetic polymers, diatomaceous earth, sand, and cellulose-containing materials.